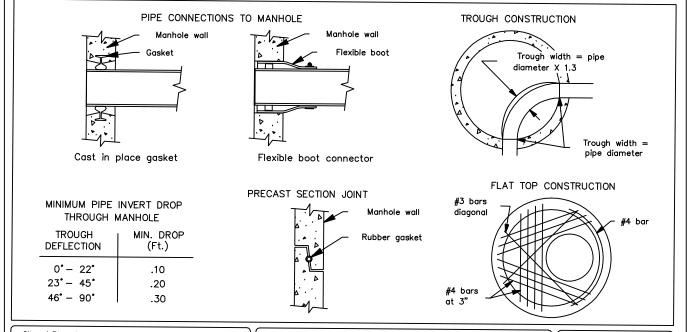
SECTIONAL VIEW SANITARY MANHOLE MANHOLE CONSTRUCTION MANHOLE FRAME AND COVER Manhole shall be 4500 p.s.i. Frame shall be East Jordan Iron concrete reinforced with Works casting no. 1020, 1022 or $10 \times 10 - W10 \times W10$ welded an approved equivalent. wire fabric. Cover shall be East Jordan Iron Wall and base thickness shall Works casting no. 1020A or an approved equivalent. "SANITARY SEWER" shall be cast in each cover. be a minimum of 5". PRECAST CONCRETE RISER RINGS All castings shall be coated. ٠. No more than 12" of rings may be Frame shall be set on Butyl Rubber Rope. used to adjust the frame and cover to grade. PRECAST ECCENTRIC TOP SECTION MANHOLE STEPS Precast flat tops shall be used when the manhole is less than Shall be constructed of Fiberglas than 6' deep. See detail below. reinforced polypropolene. Install with nonshrink mortar or epoxy grout 12" to 16" apart and JOINT SEALING at a location allowing access Joints between all manhole sections shall be sealed with an approved rubber gasket. Outside joints shall to the table. be sealed with a Trowelable Butyl Rubber. MANHOLE SEALANT See 4.4.2.2.6 of CBU Specifications. Varies PRECAST MANHOLE BARREL SECTION GASKETS and BOOTS Pipe to manhole connections shall be flexible boot or cast in place gasket. See special detail below and 4.4.2.2.5 of CBU Specifications. 5" minimum COMBINED PRECAST MANHOLE BASE and BARREL SECTION The base and first barrel section TROUGH and TABLE shall be monolithic and additionally reinforced with 4 - #4 bar els 60" Construct with concrete brick, and non-shrink mortar. lona. Troughs shall be smooth with a 1"/ft. slope semicircular bottom and extend CAST or CORE DRILLED OPENINGS upward to the height of the pipe crown. The table shall be smooth All openings shall be at least 3" and slope toward the trough at from the top of the base part of minimum 1"/ft. the precast section. BEDDING 4" of #11 stone on soil or 6" of #11 stone on rock



City of Bloomington Utilities Engineering Department

NO SCALE Drawing File: I: \COMMON\STANDARD DRAWINGS\STD 1.DWG
2/21/94
by: M. Hicks REVISED 02/18/08 T.A.

STANDARD SANITARY MANHOLE

STANDARD DETAIL NUMBER

1